



上海富芮坤微电子有限公司 FREQUEN MICROELECTRONICS

Bill of Materials For Project [FR8016HA_RD_V1.1.PrjPCB] (No PCB Document Selected)

项目名称:		FR8016HA_RD_V1.1.PrjPCB		更新时间:		2020/3/4	
序号	物料描述	型号/参数	封装	位号	焊点数	数量	
Item #	Description	Comment	Footprint	Designator	Pins	Quantity	
1	电源	POWER		BAT1	2	1	
2	贴片电容	1uF 10% 6.3V X5R	0402C	C1, C3	2	2	
3	贴片电容	0.1uF 10% 10V X7R	0402C	C2	2	1	
4	贴片电容	TBD	0402C	C4, C5, C7, C9	2	4	
5	贴片电容	NC	0402C	C6	2	1	
6	贴片电容	100nF 10% 25V X5R	0402C	C8	2	1	
7	贴片电容	2.2uF 10% 10V X5R	0402C	C10, C12	2	2	
8	贴片电容	10uF 20% 6.3V X5R	0603C	C11	2	1	
9	TVS管	TVS	TVS_SOD-323	D1	2	1	
10	PCB天线	ANT	ANT2_FR_1.0	E1	2	1	
11	USB连接器	MICRO USB	USB_MICRO_DIP_5.6	JK1	11	1	
12	贴片电阻	0R 1%	0402L	L1	2	1	
13	贴片电感	10uH 20% 50mA	0603L	L2	2	1	
14	驻极体模拟麦克风	ECM MIC	MIC_DIP_4015	MIC1	2	1	
15	贴片电阻	2.2K 5%	0402R	R1	2	1	
16	贴片电阻	10K 5%	0402R	R2	2	1	
17	贴片轻触开关	Key	SW_SMD4P_3.2X4.2X2.5	S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32	2	32	
18	喇叭	16/32R	-	SPK1	2	1	
19	测试焊盘	VBAT	TP_2	TP1	1	1	
20	测试焊盘	GND	TP_2	TP2	1	1	
21	测试焊盘	UART_RXD	TP_1.2	TP3	1	1	
22	测试焊盘	UART_TXD	TP_1.2	TP4	1	1	
23	测试焊盘	SW_TCK	TP_1.2	TP5	1	1	
24	测试焊盘	SW_DIO	TP_1.2	TP6	1	1	
25	低功耗蓝牙芯片	FR8016HA QFN32 4*4	QFN32_0404_0.4	U1	33	1	
26	贴片无源晶振	24MHz 10PPM CL9pF	XTAL_3225	Y1	4	1	